



# *The Commonwealth of Massachusetts*

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August 25, 2006

CERTIFICATE OF THE SECRETARY OF ENVIRONMENTAL AFFAIRS  
ON THE  
ENVIRONMENTAL NOTIFICATION FORM

PROJECT NAME: Flint Road Landfill Closure  
PROJECT MUNICIPALITY: Charlton  
PROJECT WATERSHED: Quinebaug  
EOEA NUMBER: 13839  
PROJECT PROPONENT: Charlton Board of Health  
DATE NOTICED IN MONITOR: July 25, 2006

Pursuant to the Massachusetts Environmental Policy Act (M.G.L. c. 30, ss. 61-62H) and Section 11.11 of the MEPA Regulations (301 CMR 11.00), I have reviewed this project and hereby determine that it **does not require** the preparation of an Environmental Impact Report (EIR).

### Project Description

As outlined in the Environmental Notification Form (ENF), the Town of Charlton proposes to construct a final cap over an approximately 9.3-acre landfill located off Flint Road in Charlton, MA. The Town is required to cap the Flint Road Sanitary Landfill in accordance with a Department of Environmental Protection (DEP) Administrative Consent Order (ACOP-CE-06-4001). The proposed final cap will be approximately 24 inches in depth and consist of a gas venting layer, a high density polyethylene liner (HDPE), a drainage layer and a vegetative layer. The final grades will vary around the perimeter of the landfill, but will not exceed a maximum slope of 3:1, complying with DEP resource protection and solid waste regulations. The project will result in impacts to approximately 12,600 square feet (sf) of wetlands subject to jurisdiction under the Wetlands Protection Act (310 CMR 10.00).

### Jurisdiction

The project is subject to environmental review because it requires state permits and pursuant to Section 11.03(3)(b)(1)(d) of the MEPA regulations because it will result in impacts to more than 5,000 sf of Bordering Vegetated Wetlands (BVW). The project will require a Programmatic General Permit from the U.S. Army Corps of Engineers (ACOE); a 401 Water Quality Certificate from DEP; and an Order of Conditions from the Charlton Conservation Commission. The proponent is not seeking financial assistance from the Commonwealth. Therefore, MEPA jurisdiction applies to those aspects of the project within the subject matter of required or potentially required permits with the potential to cause Damage to the Environment. In this case, MEPA jurisdiction on this project extends to wetlands and drainage.

### Drainage and Wetlands

The landfill is bounded along the south perimeter by an intermittent drainage stream, which conveys stormwater drainage to a perennial stream located approximately 150 feet to the west of the project area. The proposed project will take place within the 100-foot buffer zone of bordering and isolated wetlands on site. The project is considered a limited project under 310 CMR 10.53(3)(p) and the proponent has filed a Notice of Intent (NOI) with the Charlton Conservation Commission (DEP #128-1172).

Approximately 9,200 sf of BVW located at the toe of the slope of the existing landfill will be filled to accommodate the capping system. Approximately 2,400 sf of BVW will be temporarily disturbed during the installation of the capping system. This area will be revegetated subsequent to the completion of the site construction activities. Approximately 3,000 sf of BVW will be replicated on the southeast portion of the landfill, and approximately 7,700 sf will be replicated adjacent to the northeast portion of the landfill. In addition, approximately 5,000 sf of Isolated Land Subject to Flooding (ILSTF) located along the northeast perimeter of the landfill will be filled to accommodate the capping system. Stormwater storage volume lost due to filling of the ILSTF will be compensated through excavation of land located opposite the filled area contiguous with the existing ILSFT area of approximately 26,000 sf. The proponent states in the ENF that all replication areas will be designed, constructed and monitored in accordance with DEP's 2002 Inland Wetland Replication Guidelines. Following discussion held at the MEPA site visit for the project on August 8, 2006, the proponent should ensure that a hydrologic connection is created between the compensatory flood storage area and the wetlands replication area in the northeast portion of the site.

Several forms of drainage control have been incorporated into the landfill design to minimize the potential impacts to surrounding resource areas. In the northwest, west and southwest areas of the landfill, riprap-lined drainage swales and benches have been incorporated into the design to control sideslope runoff and reduce the potential for erosion. These drainage swales will direct runoff to a proposed sedimentation basin on the western perimeter before overflowing towards adjacent wetlands.

Prior to the initiation of any work, the proponent will install haybales and a siltation fence along the perimeter of the project area adjacent to the wetlands and the 100-foot buffer zone. The

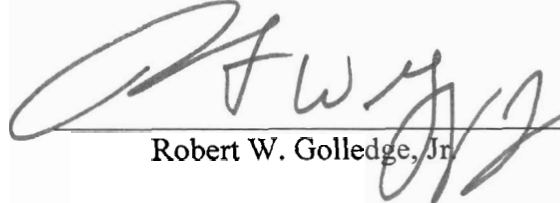
potential for future erosion will be addressed through the installation of a loam and seed layer as a component of the landfill cap. Additional erosion control measures will be incorporated where required by the Charlton Conservation Commission.

### Conclusion

Based on a review of the information provided by the proponent and after consultation with the relevant public agencies, I find that the potential impacts of this project do not warrant further MEPA review. Outstanding issues may be addressed during the permitting process.

August 25, 2006

Date



Robert W. Golledge, Jr.

No comments received

RWG/BA/ba